
Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)

217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=3; day=20; hr=17; min=37; sec=33; ms=736;]

Validated By CRFValidator v 1.0.3

Application No: 10540443 Version No: 2.0

Input Set:

Output Set:

Started: 2008-03-07 10:14:31.176

Finished: 2008-03-07 10:14:32.660

Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 484 ms

Total Warnings: 16

Total Errors: 3

No. of SeqIDs Defined: 16

Actual SeqID Count: 16

Error code		Error Description				
W	213	Artificial or Unknown found in <213> in SEQ ID (1)				
W	213	Artificial or Unknown found in <213> in SEQ ID (2)				
W	213	Artificial or Unknown found in <213> in SEQ ID (3)				
W	213	Artificial or Unknown found in <213> in SEQ ID (4)				
W	213	Artificial or Unknown found in <213> in SEQ ID (5)				
W	213	Artificial or Unknown found in <213> in SEQ ID (6)				
W	213	Artificial or Unknown found in <213> in SEQ ID (7)				
W	213	Artificial or Unknown found in <213> in SEQ ID (8)				
W	213	Artificial or Unknown found in <213> in SEQ ID (9)				
W	213	Artificial or Unknown found in <213> in SEQ ID (10)				
W	213	Artificial or Unknown found in <213> in SEQ ID (11)				
W	213	Artificial or Unknown found in <213> in SEQ ID (12)				
E	257	Invalid sequence data feature in <221> in SEQ ID (12)				
W	213	Artificial or Unknown found in <213> in SEQ ID (13)				
W	213	Artificial or Unknown found in <213> in SEQ ID (14)				
E	257	Invalid sequence data feature in <221> in SEQ ID (14)				
W	213	Artificial or Unknown found in <213> in SEQ ID (15)				
E	257	Invalid sequence data feature in <221> in SEQ ID (15)				
W	213	Artificial or Unknown found in <213> in SEQ ID (16)				

SEQUENCE LISTING

```
<110> Polt, Robin
      Bilsky, Edward
<120> GLYCOSYLATED ENKEPHALIN AGENTS
<130> 920214.00005
<140> 10540443
<141> 2008-03-07
<150> PCT/US2004/005843
<151> 2004-02-24
<150> US 60/449,989
<151> 2003-02-25
<160> 16
<170> PatentIn version 3.3
<210> 1
<211> 4
<212> PRT
<213> Artificial
<220>
<223> Classic motif for opioid receptor binding
<400> 1
Tyr Gly Gly Phe
<210> 2
<211> 5
<212> PRT
<213> Artificial
<220>
<223> Met-Enkephalin
<400> 2
Tyr Gly Gly Phe Met
<210> 3
<211> 5
<212> PRT
<213> Artificial
```

```
<400> 3
Tyr Gly Gly Phe Leu
<210> 4
<211> 17
<212> PRT
<213> Artificial
<220>
<223> Dynorphin A
<400> 4
Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asn Asn
                               10
Gln
<210> 5
<211> 13
<212> PRT
<213> Artificial
<220>
<223> Dynorphin B
<400> 5
Tyr Gly Gly Phe Leu Arg Arg Gln Phe Lys Val Val Thr
    5
                       10
<210> 6
<211> 8
<212> PRT
<213> Artificial
<220>
<223> Alpha-Neoendorphin
<400> 6
Tyr Gly Gly Phe Leu Arg Lys Tyr
<210> 7
<211> 9
<212> PRT
```

<223> Leu-Enkephalin

```
<220>
<223> Beta-Neoendorphin
<400> 7
Tyr Gly Gly Phe Leu Arg Lys Tyr Pro
<210> 8
<211> 31
<212> PRT
<213> Artificial
<220>
<223> Beta h-Endorphin
<400> 8
Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
1 5
                10
Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala Tyr Lys Lys Gly Glu
       20
                       25
<210> 9
<211> 25
<212> PRT
<213> Artificial
<220>
<223> Peptide E
<400> 9
Tyr Gly Gly Phe Met Arg Arg Val Gly Arg Pro Glu Trp Trp Met Asp
1 5 10 15
Tyr Gln Lys Arg Tyr Gly Gly Phe Leu
   20
<210> 10
<211> 13
<212> PRT
<213> Artificial
<220>
<223> Peptide F
```

<213> Artificial

<400> 10

```
10
<210> 11
<211> 17
<212> PRT
<213> Artificial
<220>
<223> Nociceptin
<400> 11
Phe Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asn Asn
             5
                                10
Gln
<210> 12
<211> 4
<212> PRT
<213> Artificial
<220>
<223> Morphiceptin
<220>
<221> MOD_RES
<222> (4)..(4)
<223> contains CONH2
<400> 12
Tyr Pro Phe Pro
<210> 13
<211> 7
<212> PRT
<213> Artificial
<220>
<223> Beta-Casomorphin
<400> 13
Tyr Pro Phe Pro Gly Pro Ile
    5
```

Gly Gly Glu Val Leu Gly Lys Arg Tyr Gly Gly Phe Met

```
<211> 4
<212> PRT
<213> Artificial
<220>
<223> Endomorphin-1
<220>
<221> MOD_RES
<222> (4)..(4)
<223> contains CONH2
<400> 14
Tyr Pro Trp Phe
<210> 15
<211> 4
<212> PRT
<213> Artificial
<220>
<223> Endomorphin-2
<220>
<221> MOD_RES
<222> (4)..(4)
<223> contains CONH2
<400> 15
Tyr Pro Phe Phe
<210> 16
<211> 6
<212> PRT
<213> Artificial
<220>
<223> Rubiscolin-6
<400> 16
Tyr Pro Leu Asp Leu Phe
```